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Cc: [Winiecki, Eric](#); [Freeman, Kevin](#); [Sebesta, Lisa](#)
Subject: DOCKET NO. SDWA-10-2013-0080 / Groundwater Monitoring Well Installation Activities - Saturday, August 17, 2013 Update
Date: Monday, August 19, 2013 12:37:43 PM

Rene,

On Saturday, August 17, 2013, Cascade resumed drilling at YVD-06. The boring was advanced from 100 ft. to 128 ft. bgs, encountering 20 feet of sandy gravel. During drilling activities, bubbling was observed in the adjacent lagoon (approximately 50 feet north of the MW location). The bubbling was observed to increase when additional air pressure was applied to the boring (blowing the hole). To determine if drilling activities were directly responsible for the lagoon bubbling, Cascade stopped injecting air, waited for the pressure to stabilize, and re-pressurized the hole. Visual observations confirmed that the air injection was causing the bubbling. ARCADIS and Cascade determined that air injection related to drilling activities was causing piping from the boring to the lagoon. Recognizing the possibility that this piping could allow lagoon water to the boring and travel to the WBZ, drilling was stopped and the location was abandoned with hydrated bentonite chips and completed with a cement plug at the surface.

Cascade set up on YVD-03, to begin MW installation on Sunday, August 18, 2013.

Please feel free to email Kevin or myself with any questions.

Tom

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